

U.S. Army Corps of Engineers (USACE)

ESF#3: Public Works and Engineering

Dave Spicer
US Army Corps of Engineers
Seattle District
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USACE Offices Across the US



Civil Works

- 24,000 personnel
- Navigation
- Hydropower
- Flood Control
- Shore Protection
- Water Supply
- Regulatory
- Recreation

Military Programs

- 10,000 personnel
- Military Construction
- Contingency Ops
- Installation Support
- International / Interagency Support

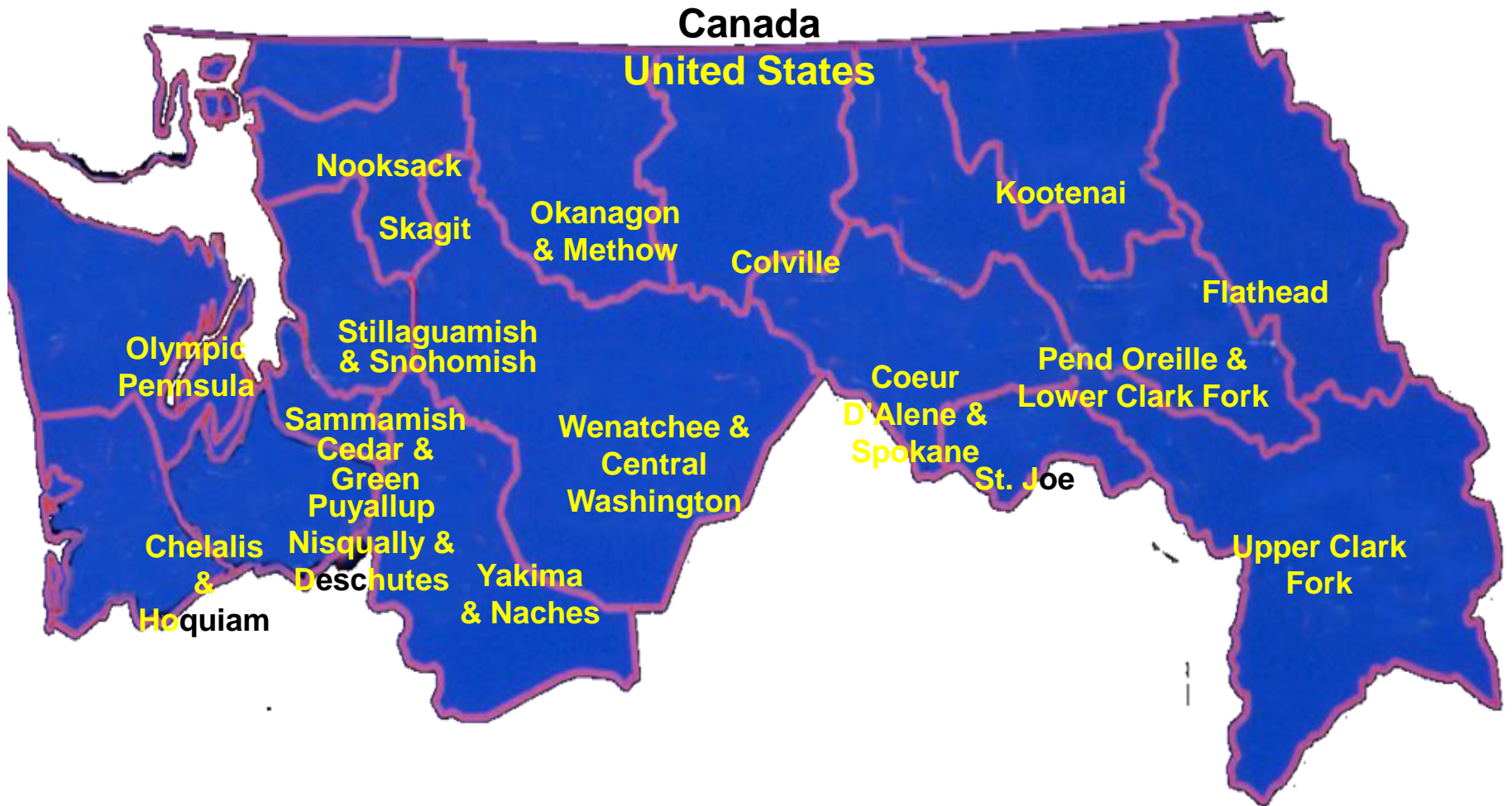
Homeland Security
Environmental
Real Estate

9 Divisions

45 Districts



Seattle District Civil AOR & Flood Basin Map



U.S. Army Corps of Engineers Emergency Response

**DOD Support
(DSCA)**



**AR 500-60;
PL 93-288**

DHS/FEMA Support



PL 93-288

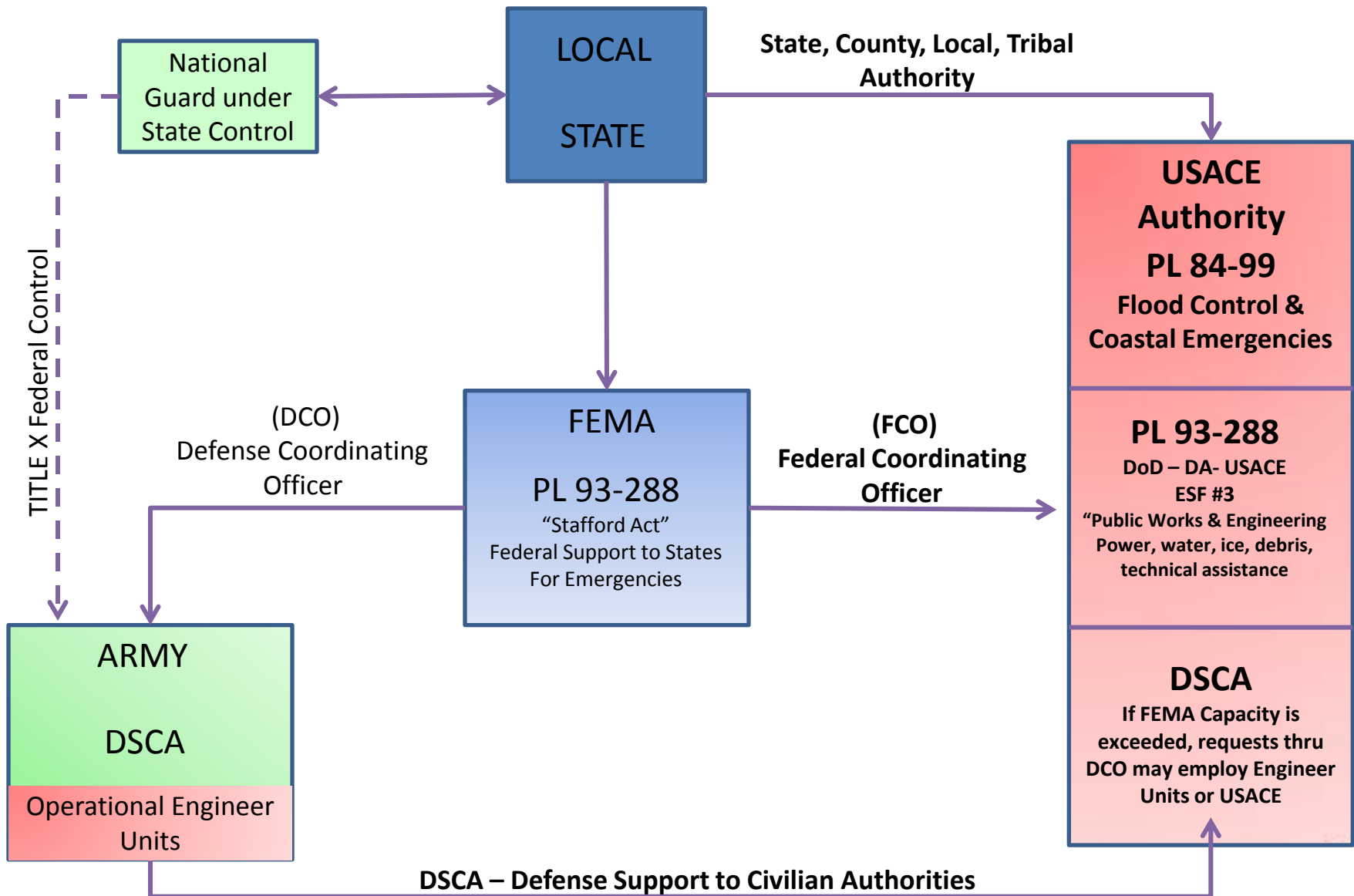
USACE Authorities



PL 84-99



USACE role In Support of Domestic Emergencies



PL 84-99

One law, six functions

Code 910-100	Disaster Preparedness
Code 910-200	Emergency Operations
Code 910-300	Rehabilitation
Code 910-400	Emergency Water/Drought
Code 910-500	Advance Measures
Code 910-600	Hazard Mitigation

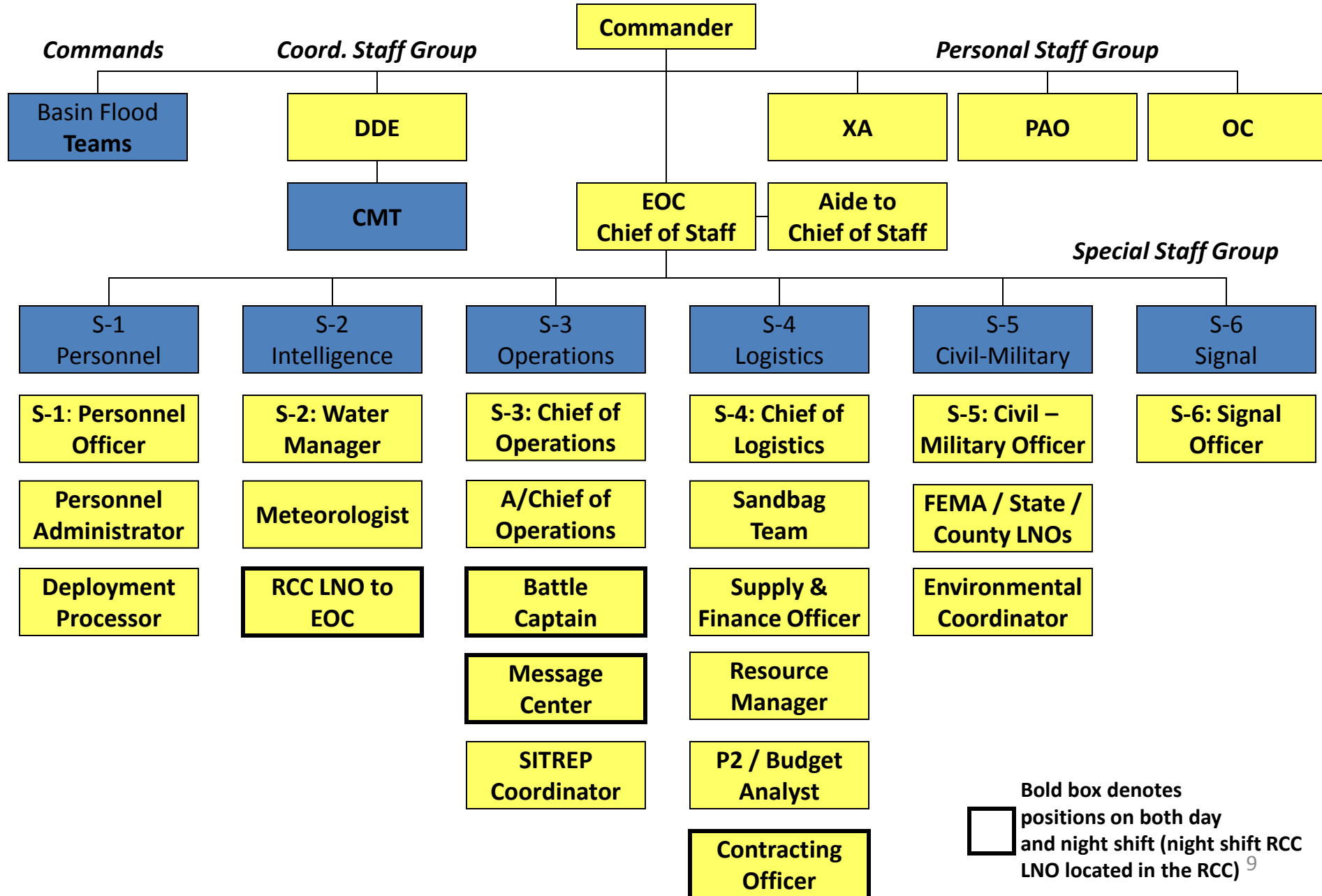
Under PL 84-99 USACE can provide assistance to the public in a variety of ways...

- **Preparedness/Technical Assistance:**
 - Seattle District provides Technical Assistance before, during, and after flood events.
 - Assistance can range from how to place sandbags to helping design a permanent flood control structure.
- **Flood Fight Assistance:**
 - USACE's mission is to provide timely, effective, Flood Emergency Assistance.
 - USACE assistance during flood events is intended to meet the immediate threat to life or improved property.
- **Advance Measure Assistance:**
 - USACE may perform Advance Measure projects prior to flooding or flood fighting to protect against loss of life or damages to property.
 - An imminent threat of unusual flooding must exist to justify Advance Measures assistance from the Corps.
- **Levee Rehabilitation Assistance:**
 - Seattle District may assist local sponsors in repairing eligible levees that are damaged or destroyed in flood events. Rehabilitation of damaged flood control works is explicitly defined as emergency work.

9 Total Staff



Seattle District , USACE Augmented Emergency Staff



USACE ... an Action Oriented Organization!

In FY 2011 alone, Seattle District responded to 5 flood events to preserve life & protect property ...

- Operated in the field & EOC for a total of 65 days
 - (45 consecutive days in May-June 2011)
 - Activated 231 Corps volunteers
 - Assisted 37 Communities
 - Delivered 2,125,000 sandbags
-
- ❖ During a large event, we can deploy responders from around the nation



ESF#3

Missions & Planning & Response Teams (PRTs)

- ✓ Emergency Power (*8 teams*)
- ✓ Combined Commodities (*7 teams*)
- ✓ Debris Removal & Management (*7 teams*)
 - includes Contaminated Debris
- ✓ Temporary Roofing (*5 teams*)
- ✓ Temp Housing & Critical Public Facilities (*6 teams*)
- ✓ Infrastructure Assessment (*4 teams*)
- ✓ National Ice (*2 teams - NRCC*)
- ✓ National Water (*2 teams - NRCC*)

(Team Size: 8-20+ people depending on mission)



Emergency Power

- Install & Maintain FEMA generators at...
- Critical Facilities
- Critical Utilities
- Assess
- Haul
- Install
- Maintain
- Remove
- Prepare for storage



Largest mission to date:

- *Hurricane Katrina, LA*
- *2,403 locations assessed*
- *918 generators installed*



Water and Ice Commodities

- Procure water and ice nationally
- Deliver commodities to state staging area
- Provide Technical Assistance for Distribution



❖ **Largest mission to date:**

• *Hurricane Season 2005*

• *11,284 trucks loads*



Debris Management

- Provide services to...
 - Remove,
 - Reduce, and
 - Dispose of eligible debris
- Provide Technical Assistance,
- Federal, State & Local



❖ **Largest mission to date:**

- *Hurricane Katrina, LA*
- *Estimated 68.7M Cubic Yards*

Temporary Roofing

- Provide services to install FEMA furnished plastic sheeting on damaged roofs to provide temporary shelter



❖ **Largest mission to date:**

- *Hurricane Katrina*
- *Mission 194,000+ roofs installed*



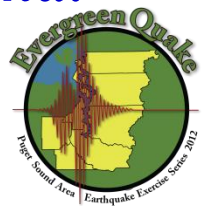
Critical Public Facilities and Temporary Housing

- Provide services to design & construct ...
 - Temporary public facilities
 - Temporary housing
- Includes...
 - Schools,
 - Police and fire stations,
 - Local government offices,
 - Trailer installation.



❖ Largest mission to date:

- *Installed 1,029 temporary buildings and 2,500 trailers following Hurricane Katrina.*



Infrastructure Assessment

- **Supports Public Works inspections during response and recovery**
 - Oversight, Training, Management, GIS / mapping products
 - ATC-20, ATC-45 methodologies
 - Red, Yellow, Green ratings
- **Historically dedicated to Structural Safety Evaluations of residential and limited commercial buildings, but can also manage a wide array of civil works inspections:**
 - Electrical
 - Mechanical
 - Hazardous materials
 - Water and wastewater infrastructure (e.g., treatment facilities, lift stations)
 - Geotechnical



❖ **Largest mission to date:**

- *Hurricane Katrina.*



Support to Urban Search and Rescue

- Provide training to Search and Rescue Structures Specialists
- Maintain cadre of Structures Specialists to augment national teams

Responses:

- *Oklahoma City*
- *World Trade Center*
- *Pentagon*
- *Internationally*



Public Information and Warning

- Response Team / Partner Alert Tools
 - E-Mail
 - Phone
 - VHF Radio
 - Liaisons
- Employee accountability procedures
 - Phone Trees
 - 1-800-HIUSACE
- Social Media for Information Releases
 - Twitter
 - Facebook



Situational Awareness and A Common Operating Picture

- Establish Comms / Liaisons with Partners
- Crisis Management Team (CMT) Briefings
 - Situation Reports / Updates
 - ENGLink Reports
 - Accountability
 - Project Damage Reports
- Common Operating Picture (COP) Tool
- Establish / Operate to USACE Battle Rhythm
- CNN / HLN



Response Structure

